

Zhengzhou Cialan Instrument Equipment Co.,Ltd

Add:NO.9-1,Zhengzhou Area(Jinshui),Henan Pilot Free Trade Zone.

Web:www.cialan.com, Email:karron@cialan.com, Tel:+86-15890167152

LS-609 Laser Particle Size Analyser

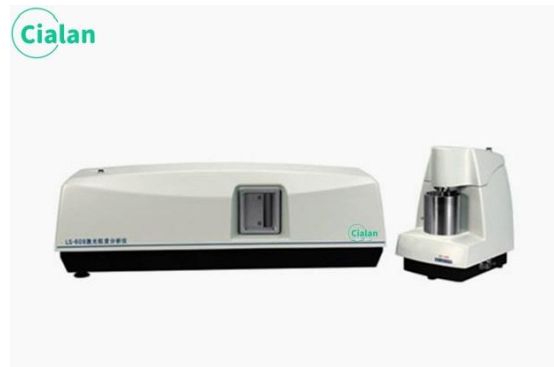
Applications

Measure the particle size distribution of powder or latex.

LS-609 is a new intelligent and high-performance full-automated laser particle size analyzer. The imported He-Ne laser emitter as light source can realize shorter preheating time and more stable laser power. The modern intelligent measurement control & analysis software and full-automated sample feeding system improve the user experience greatly, LS-609 owns more concise & effective measurement process and more stable & reliable results, it's easier to compare among measurement reports.

Principles

Light is an electromagnetic wave. When light meets with particles on its way of traveling, the interaction between light and particles will result in deviations of part of the light, which is called light scattering. The bigger the scattering angle is, the particle size will be smaller, the smaller the scattering angle is, the particle size will be bigger. The particle analyzer instruments will analyze the particle distribution according to this physical character of the light wave.



Specifications

1. Theory: Mie scattering
2. Measuring Range: 0.1~1000 μ m
3. Sample Feeding: wet dispersion
4. Repeatability: <1% (standard sample D50)
5. Alignment: intelligent automated alignment, accuracy of alignment: 0.5 μ m
6. Scan frequency: 1 kHz
7. Measurement Duration: 1-2 minutes
8. Detectors: 49
9. Light Source: imported He-Ne laser, power: greater than 2.0 mW, wave length: 0.6328 μ m
10. Environmental Requirement:
Temperature: 5-35 $^{\circ}$ C
Humidity: <85%
11. Report Items: Particle size distribution table & graph, Average diameter, Median diameter, SSA, etc.
12. Dimension(L X W X H): 838 X 265 X 295mm (mainframe), 938 X 365 X 395mm (outer packing)

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